



Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

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Closing Date:
July 6, 2011

IDEM ID Number:
2011-295-63-JWR-A

Corps of Engineers ID Number:
Not Available

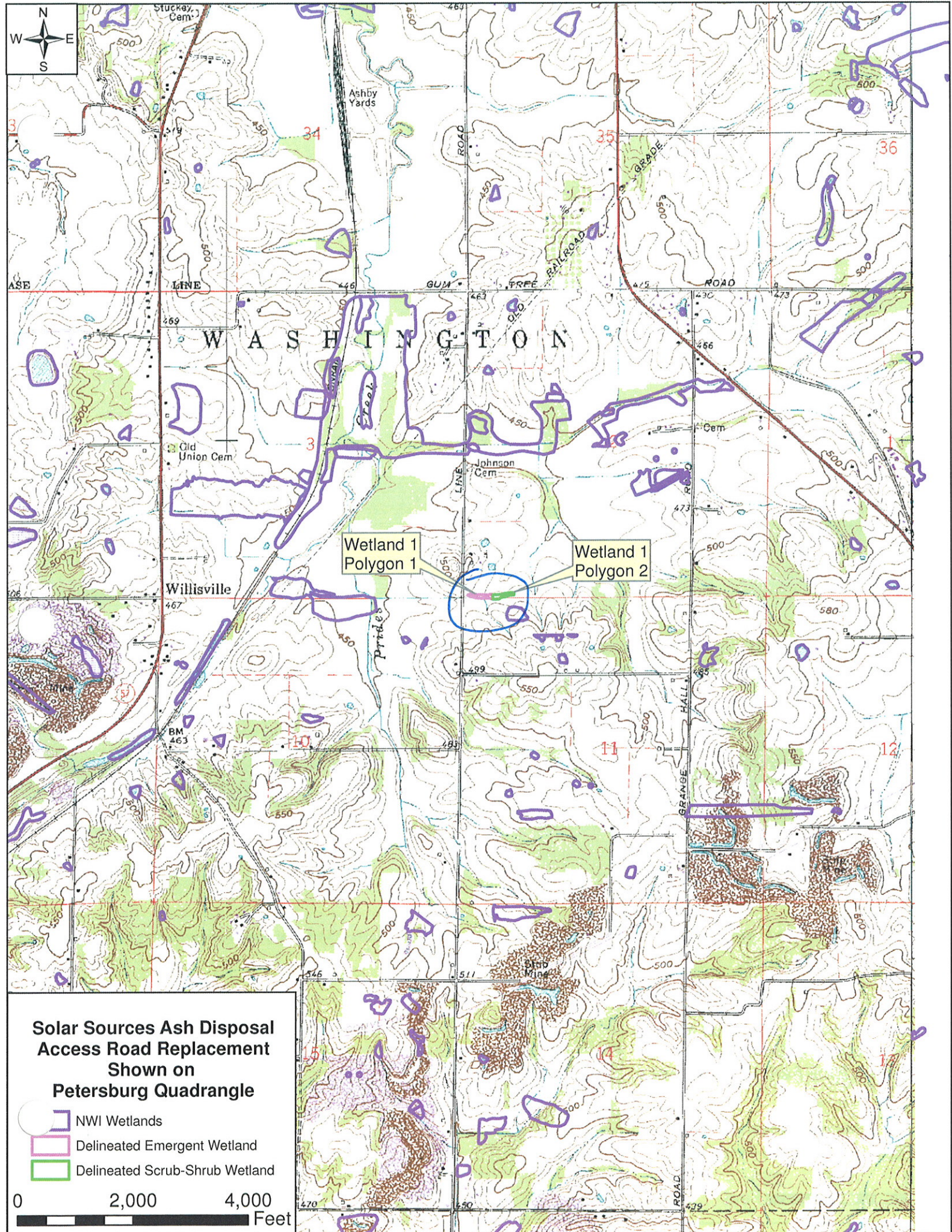
PUBLIC NOTICE

To all interested parties: This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- | | | | |
|----------------------|--|------------------|--|
| 1. Applicant: | Mr. Mike Owen
Solar Sources
P.O. Box 7
Petersburg, IN 47567 | 2. Agent: | Mr. Jeremy Kieffner
Bernardin Lochmueller and Associates
6200 Vogel Road
Evansville, IN 47715 |
|----------------------|--|------------------|--|
- 3. Project location:** Section 2 & 11, Township 1 South, Range 8 West, Pike County, Petersburg USGS Quad.
The project is located on Meridian Road approximately 1 mile South of Gum Tree Road.
- 4. Affected waterbody:** Emergent and scrub shrub wetlands
- 5. Project Description:** The applicant proposes to relocate a private access road. Due to the construction of Interstate 69, the road must be relocated in order to provide continued access to a coal ash pit. The project will require the discharge of 10,600 cubic yards of clean earthen fill material and the installation of a 280 foot culvert pipe into 0.04 acre of emergent wetland and 0.49 acre of scrub shrub wetland. As compensatory mitigation for the proposed impacts, the applicant will use approximately 2.8 acres of wetland at the Bartley Wetland Mitigation Site construction for I-69 Section 2. The 2.8 acres will consist of 1.5 acre of forested wetland, 0.20 acre of emergent wetland and an additional 1.1 acre of forested wetland. For additional information please visit the following webpage address:
<http://www.in.gov/idem/6393.htm>.

- Comment period:** Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.
- Public Hearing:** Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.
- Questions?** Additional information may be obtained from Mr. Jason Randolph, Project Manager, at 317-233-0467. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406



**Solar Sources Ash Disposal
Access Road Replacement
Shown on
Petersburg Quadrangle**

- NWI Wetlands
- Delineated Emergent Wetland
- Delineated Scrub-Shrub Wetland

0 2,000 4,000 Feet



Wetland 1
Polygon 1

Wetland 1
Polygon 2

FaB

Du

FbG

ZaD8

HoC9

ZaD8

ZaD8

HoB2

HoC9

ZaD8

ZaD8

Solar Sources Ash Disposal Access Road Replacement Wetland Delineation

- Data Points
- NRCS Soils
- Delineated Emergent Wetland
- Delineated Scrub-Shrub Wetland
- Right-of-Way

0 125 250
Feet

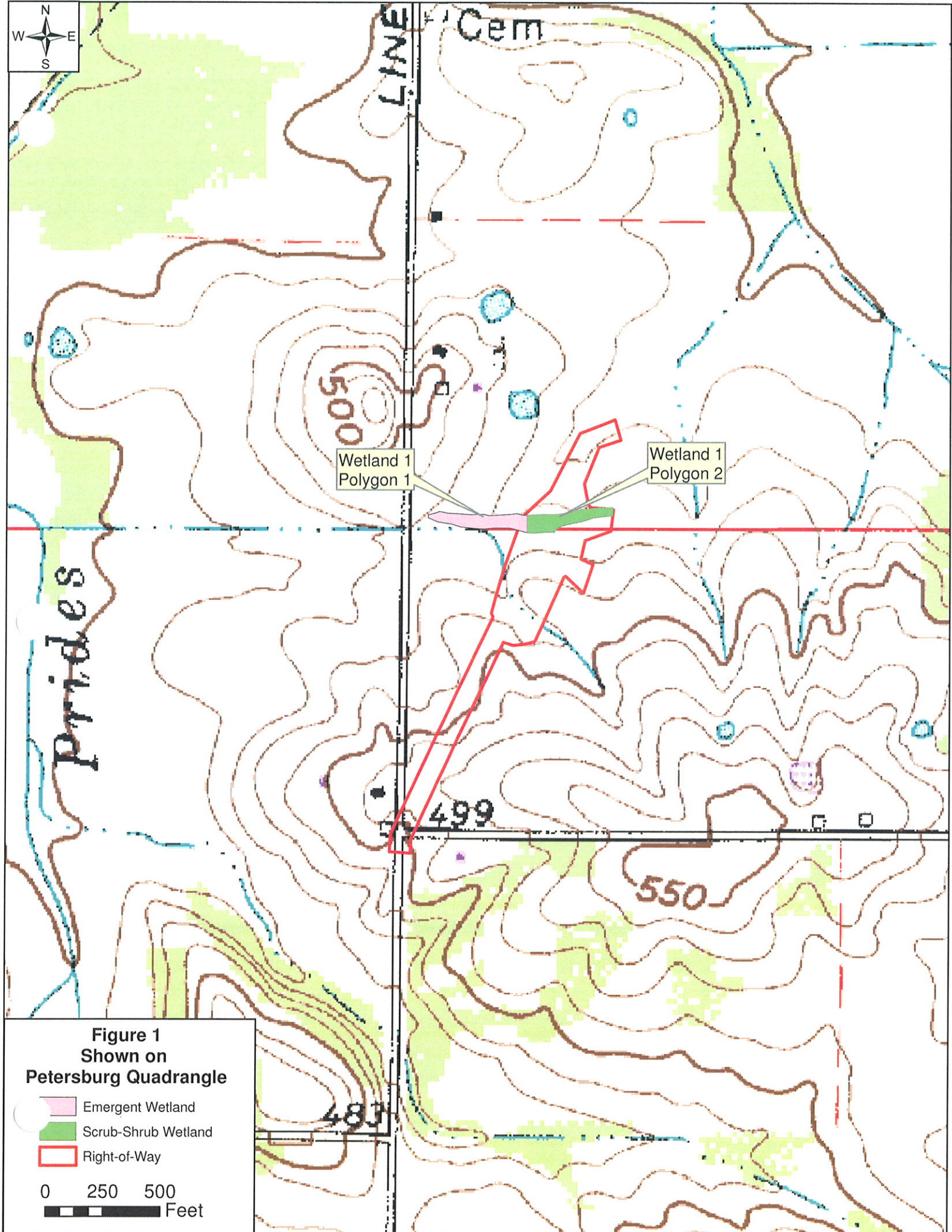
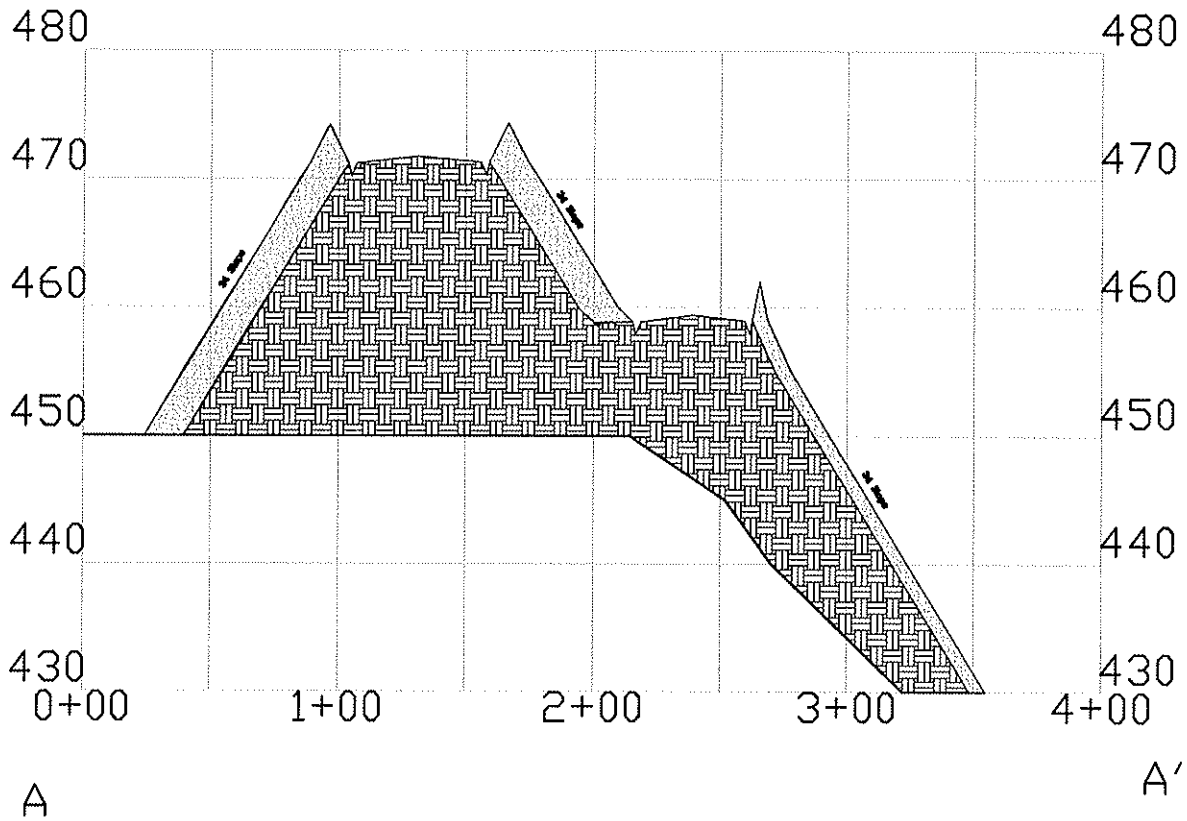


Figure 1
Shown on
Petersburg Quadrangle

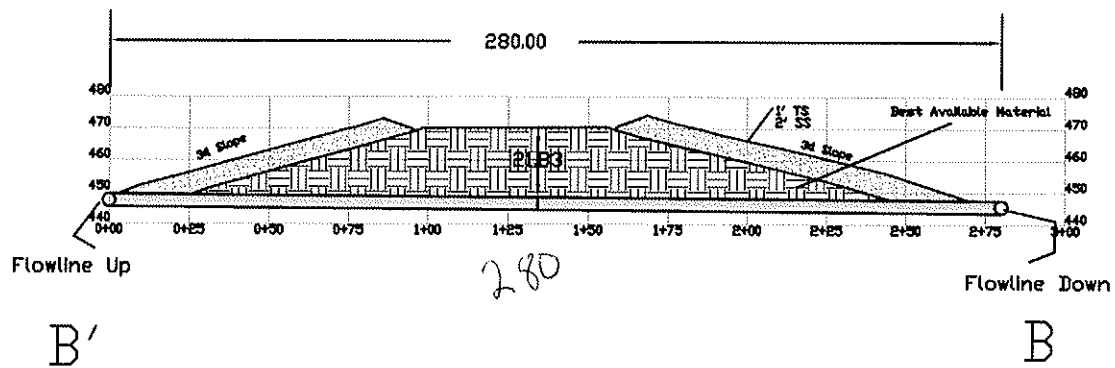
- Emergent Wetland
- Scrub-Shrub Wetland
- Right-of-Way

0 250 500
Feet

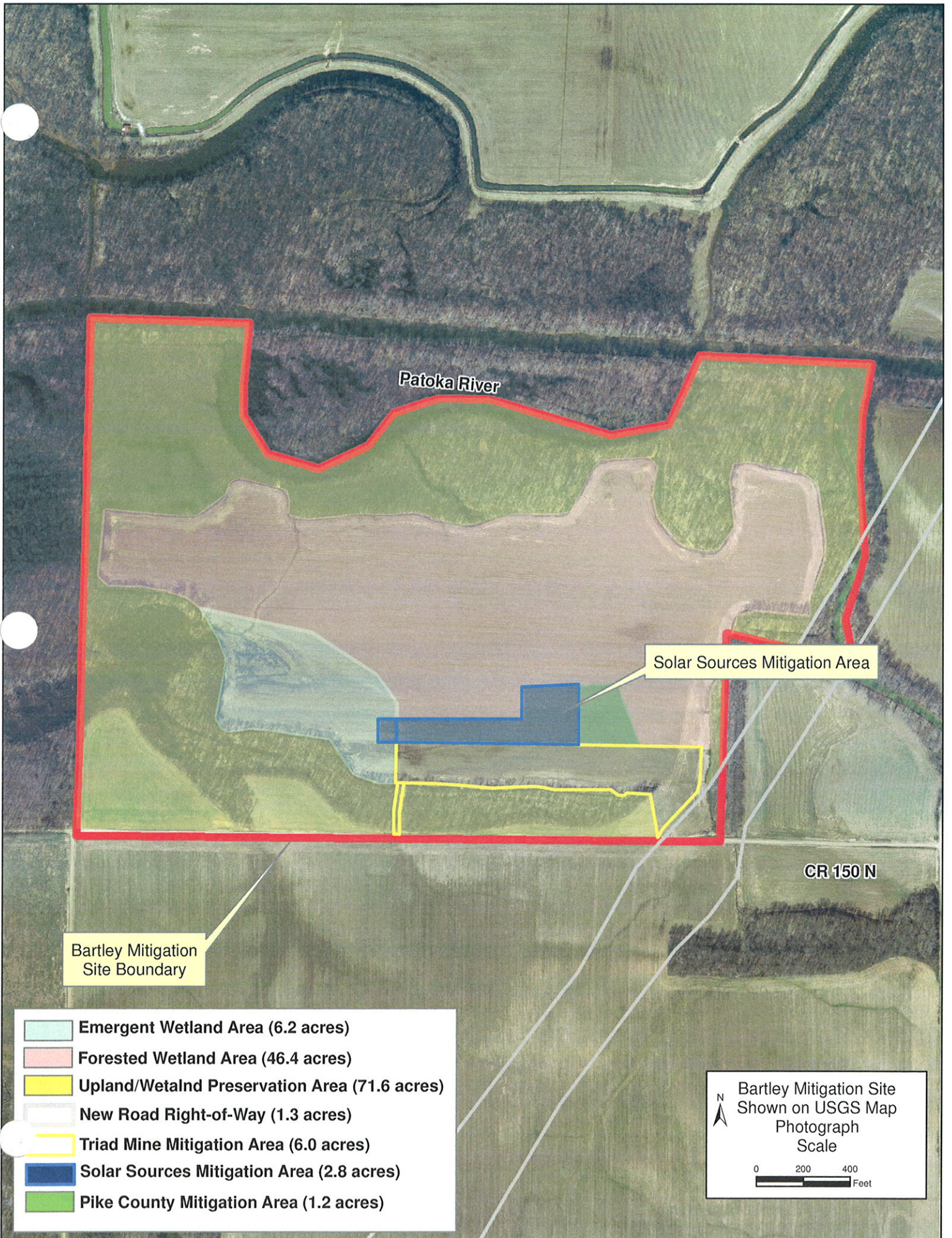
ROAD CROSS-SECTION



TYPICAL CROSS-SECTION AT PIPE INSTALLATION



CROSS SECTIONS
SOLAR SOURCES ASH PIT ACCESS ROAD



Patoka River

Solar Sources Mitigation Area

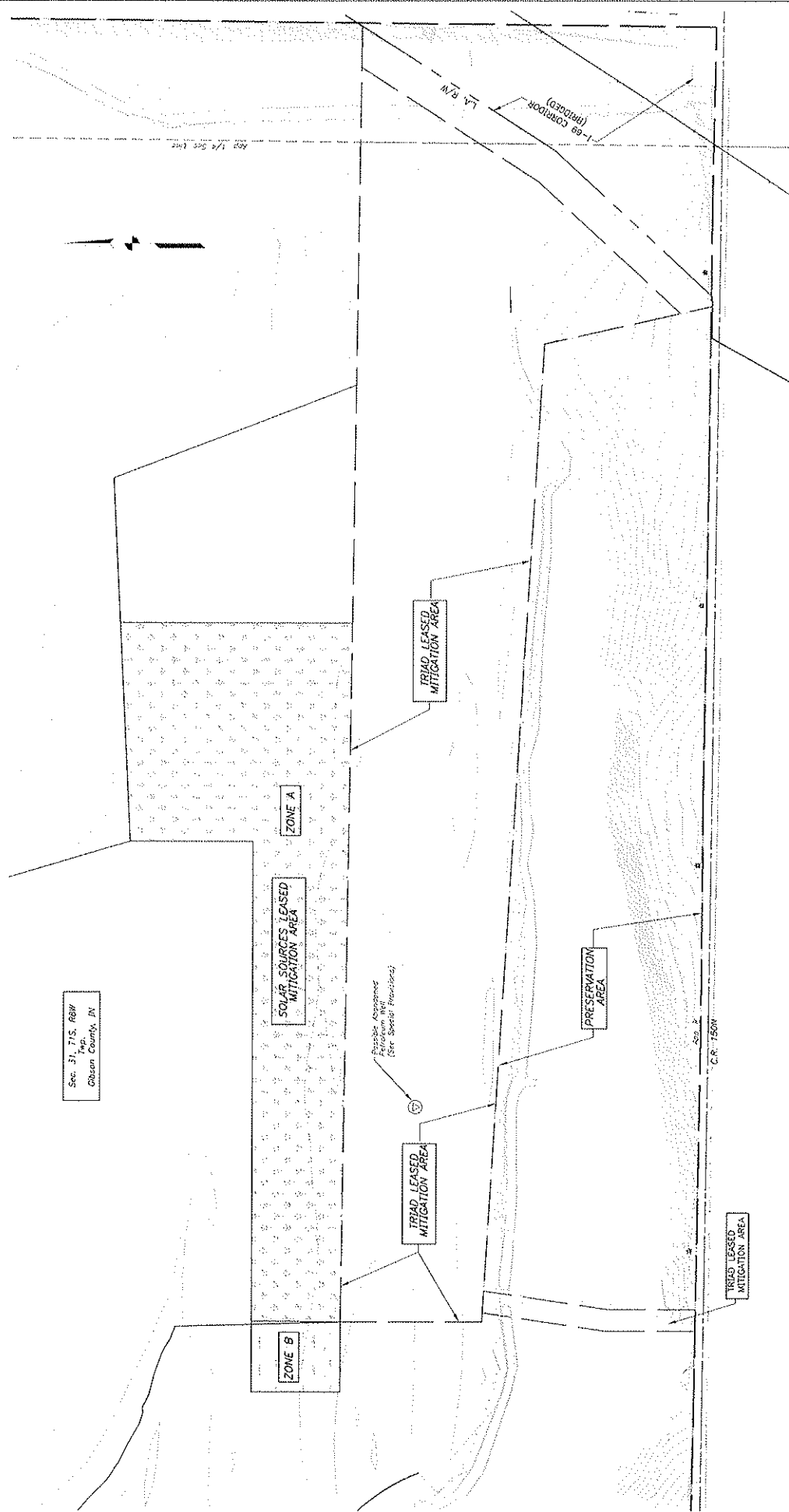
CR 150 N

Bartley Mitigation
Site Boundary

- Emergent Wetland Area (6.2 acres)
- Forested Wetland Area (46.4 acres)
- Upland/Wetland Preservation Area (71.6 acres)
- New Road Right-of-Way (1.3 acres)
- Triad Mine Mitigation Area (6.0 acres)
- Solar Sources Mitigation Area (2.8 acres)
- Pike County Mitigation Area (1.2 acres)

Bartley Mitigation Site
Shown on USGS Map
Photograph
Scale

0 200 400
Feet



Sec. 31, T1S, R8W
Twp.
Gibson County, IN

LEASED MITIGATION AREA ACCESS
ACCESS TO AND ACROSS LEASED MITIGATION AREA
SHALL AVOID OBSTRUCTION OF ANY INSTALLED
WETLAND RESTORATION STRUCTURES OR EQUIPMENT
WITH THE LEASE HOLDER, TRIAD WIND, LLC

ZONE LEGEND

Zone A - FORESTED WETLAND 2.6 AC

Zone B - EMERGENT WETLAND 0.2 AC

1"=200' DATE 1/10/2024-2025	SOLAR SOURCES, INC. ASH PIT ACCESS ROAD REALIGNMENT PROJECT MITIGATION SITE PREPARED BY:	BERNARDIN LOCHMILLER & ASSOC., INC.		
1"=200' DATE 1/10/2024-2025	PLANTING PLAN			

Table 1. Wooded Wetland Establishment Seed Mix (Zone A) and Indicator Status			
Scientific Name	Common Name	Indicator Status	Ounces/Acre
Permanent Grasses/Sedges/Rushes			
<i>Calamagrostis Canadensis</i>	bluejoint grass	OBL	1.00
<i>Carex crinita</i>	fringed sedge	FACW+	2.00
<i>Carex lupulina</i>	common hop sedge	OBL	4.00
<i>Carex lurida</i>	bottlebrush sedge	OBL	1.50
<i>Carex squarosa</i>	narrow-leaved cattail sedge	OBL	2.00
<i>Carex sparganioides</i>	rough-clustered sedge	FAC	1.50
<i>Carex typhina</i>	common cattail sedge	OBL	2.00
<i>Carex vulpinoidea</i>	brown fox sedge	OBL	4.00
<i>Elymus virginicus</i>	Virginia wild rye	FACW-	20.00
<i>Glyceria striata</i>	fowl manna grass	OBL	2.00
<i>Leersia oryzoides</i>	rice cut grass	OBL	2.00
<i>Scirpus atrovirens</i>	dark green rush	OBL	2.00
<i>Spartina pectinata</i>	prairie cord grass	FACW+	1.00
Temporary Cover			
<i>Avena sativa</i>	common oat	*NL	537.00
<i>Lolium multiflorum</i>	annual rye	FACU	112.00
Forbs			
<i>Alisma spp.</i>	water plantain (various mix)	NL	3.00
<i>Angelica altropurpurea</i>	great angelica	OBL	1.00
<i>Aster puniceus</i>	bristly aster	OBL	0.75
<i>Aster umbellatus</i>	flat-top aster	FACW	0.25
<i>Bidens cernua</i>	nodding bur marigold	OBL	2.50
<i>Campanula americanus</i>	tall bellflower	NL	0.25
<i>Cephalanthus occidentalis</i>	buttonbush	OBL	0.50
<i>Helenium autumnale</i>	sneezeweed	FACW+	2.00
<i>Heracleum lanatum</i>	cow parsnip	NL	0.75
<i>Hibiscus moscheutos</i>	swamp rose mallow	OBL	2.00
<i>Lobelia siphilitica</i>	great blue lobelia	FACW+	1.50
<i>Mimulus ringens</i>	monkey flower	OBL	1.25
<i>Rudbeckia laciniata</i>	wild golden glow	FACW+	0.75
<i>Verbesina alternifolia</i>	wingstem	FACW	2.00
Total			712.00 44.53 lbs/acre

Table 2. Emergent Wetland Seed Mix (Zone B) and Indicator Status

Scientific Name	Common Name	Indicator Status	Ounces/Acre
Permanent Grasses/Sedges/Rushes			
<i>Carex comosa</i>	bristly sedge	OBL	2.50
<i>Carex lacustris</i>	common lake sedge	OBL	0.25
<i>Carex lurida</i>	bottlebrush sedge	OBL	4.00
<i>Carex vulpinoidea</i>	brown fox sedge	OBL	6.00
<i>Eleocharis ovata</i>	blunt spike rush	OBL	1.00
<i>Juncus effusus</i>	common rush	OBL	1.00
<i>Leersia orzyoides</i>	rice cut grass	OBL	3.00
<i>Scirpus acutus</i>	hard-stemmed bulrush	OBL	2.50
<i>Scirpus pungens</i>	chairmaker's rush	NO	4.00
<i>Scirpus validus</i>	great bulrush	OBL	6.00
Temporary Cover			
<i>Avena sativa</i>	common oat	*NL	360.00
<i>Lolium multiflorum</i>	annual rye	FACU	104.00
Forbs			
<i>Acorus calamus</i>	sweet flag	OBL	1.00
<i>Asclepias incarnata</i>	swamp milkweed	OBL	1.50
<i>Alisma spp.</i>	water plantain (various mix)	NL	2.00
<i>Cephalanthus occidentalis</i>	buttonbush	OBL	1.00
<i>Decodon verticillatus</i>	swamp loosestrife	OBL	1.25
<i>Eupatorium maculatum</i>	spotted joe-pye weed	OBL	0.50
<i>Hibiscus spp.</i>	rosemallow (various mix)	*NL	3.00
<i>Iris virginica</i>	blue-flag iris	OBL	6.00
<i>Lobelia cardinalis</i>	cardinal flower	OBL	0.25
<i>Lobelia siphilitica</i>	great blue lobelia	FACW+	1.50
<i>Ludwigia alternifolia</i>	seedbox	OBL	0.25
<i>Mimulus ringens</i>	monkey flower	OBL	1.00
<i>Peltandra virginica</i>	arrow arum	OBL	16.00
<i>Pontederia cordata</i>	pickerel weed	OBL	10.00
<i>Sagittaria latifolia</i>	broad-leaved arrowhead	OBL	2.00
<i>Sparganium americanum</i>	American bur reed	OBL	2.00
<i>Sparganium eurycarpum</i>	common bur reed	OBL	4.00
<i>Verbena hastata</i>	blue vervain	FACW+	1.00
<i>Zizania aquatica</i>	wild rice	OBL	8.00
Total			556.50 34.78 lbs/acre